

Bruhath Bangalore Mahanagara Palike Dasarahalli Zone

Name of Work: Construction of Bangalore-One Office and tax Office, ward office and Multipurpose Building in Ward No.12, in Shettyhalli Sub Division.

EMB 2nd and Final

SI No	Description of Items	No	L	B	D	Qty	Unit
22	Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 40mm, thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries completed as per specification (excluding cost of fixtures)(Page No.53, Item No. 9.15)						
	Door D (GF & FF)	2	1.75		2.35	8.23	
	Door D1 (GF & FF)	2	1.10		2.35	5.17	
						13.40	Sqm

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Continued.....

23	Providing and fixing in position shutters for doors made out of Honne wood styles and rails of 35mm. Thick with bottom and lock rail 180mm wide top rail and styles 100mm wide as per drawings and panels of 18mm thick is exteriors grade melamine impregnated prelamination particle board colour on one sides including cost of materials, labour, HOM of machineries complete as per specifications.(excluding cost of fixtures) (Page No.55, Item No 9.38)						
	Door D2 (GF & FF)	1.00	0.75		2.35	1.76	
						1.76	Sqm

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34	Providing and fixing of wail cladding using 20mm thick gang saw water cut Shiva gold granite, grey granite in CM 1:3 proportion cut to required shape, pattern with paper joints, finished with cement mortal using white cement and colour pigments to match the colour of slab making through jointing with sealant, making holes 25mmx12mm grooves in joints including cost of all						
		4	0.60	1.2		2.88	
						2.88	Sqm

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35	Providing colour glazed tiles of all sizes 10mm thick for flooring, treads of steps and landing laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing using white cement, with matching colour pigment, including cost of materials, labour, curing, complete as per specifications (30 X45) (Page No. 108, Item No. 14.41.3)					
	Toilet					
	GF Toilet Floor	1 ✓	1.20 ✓	1.75 ✓	2.10	
		1 ✓	1.65 ✓	1.40 ✓	2.31	
	FF	1 ✓	2.10 ✓	1.80 ✓	3.78	
		1 ✓	1.50 ✓	1.60 ✓	2.40	
		1 ✓	3.00 ✓	1.50 ✓	4.50	
		1 ✓	0.70 ✓	1.6 ✓	1.12	
					16.20	Sqm

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Shettyhalli Sub Division

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36	Providing and fixing colour glazed tiles of size 300mmx450mm for walls with borders of size 300x100mm, set in Cement Mortar 1:3 and pointed with white cement with matching colour pigment with necessary curing, cleaning including providing and removing scaffolding wherever necessary etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for equipment, etc., complete as per specification					
	G F Wall cladding					
	Toilet	2 ✓	1.75 ✓	2.20 ✓	7.70	
		2 ✓	1.20 ✓	2.20 ✓	5.28	
	Toilet	2 ✓	1.40 ✓	2.20 ✓	6.16	
		2 ✓	1.65 ✓	2.20 ✓	7.26	
					0.00	
	First flooring					
	GF	2 ✓	1.80 ✓	2.60 ✓	9.36	
	Toilet	2 ✓	2.10 ✓	2.60 ✓	10.92	
		2 ✓	1.80 ✓	2.60 ✓	9.36	
	Toilet	2 ✓	1.50 ✓	2.60 ✓	7.80	
		2 ✓	3.00 ✓	2.60 ✓	15.60	
		2 ✓	1.50 ✓	2.60 ✓	7.80	
					63.84	Sqm

Assistant Engineer
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Providing and applying painting two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications with primer. (Page No. 119, Item No. 15.51.2)					
Qty vide item No.29 ✓					1257.11
					1257.11 Sqm

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Continued.....

39	Extra for providing and applying every subsequent coat of painting with plastic emulsion paint of approved brand and shade for Item No.15-15.1 and 15.53 cost of materials, labour complete as per specifications (Page No.120, Item No.15.52.3)					
	Qty vide item No.30 ✓					1257.11
						1257.11 Sqm

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Continued.....

40	Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after thoroughly brooming the surface to remove all dirt and loose powdered materials, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications (Page No. 120, Item No. 15.53.2)						
	Qty vide item No.30 ✓						1257.11
							1257.11 Sqm

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41	Extra for providing and applying every subsequent coat of water proofing cement paint of approved brand and shade for item No.15-16.1 cost of materials,labour,complete as per specifications (Page No.120, Item No.15.53.3)						
	Qty vide item No.30 ✓					1257.11	~~✓~~ <i>gc</i>
						1257.11	~~Sqm~~

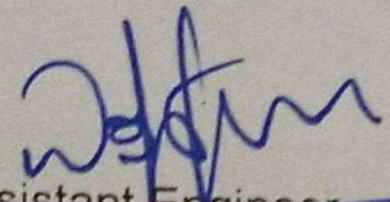
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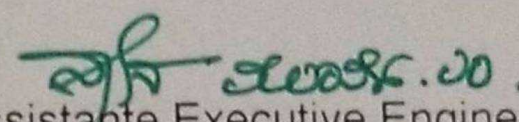
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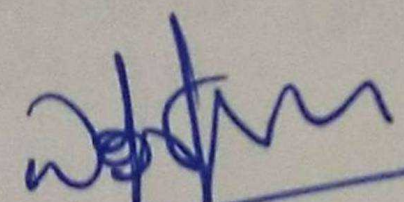
42	Applying priming coat over new wood surface and/ or wood based surface after preparing the surface after thoroughly cleaning oil, grease, dirt and foreign matter, sand papering and knotting liquid wood filler, for varnish including cost of materials, labour, complete as per specifications (Page No. 121, Item No. 15.59)						
	Door D	2 ✓	3.00 ✓	3.00 ✓		18.00	
	Door D	2 ✓	1.20 ✓	2.80 ✓		6.72	
						24.72	Sqm

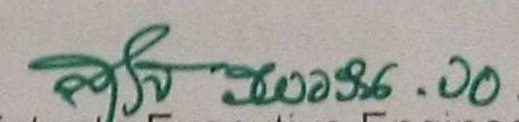

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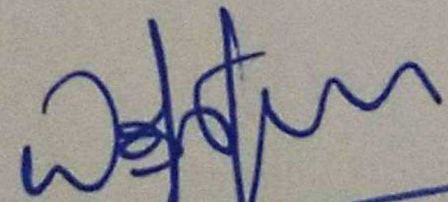
43	Providing and applying painting two coats (excluding priming coat) on new wood surface and/ or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications (Page No.121, item No.15.60.1)						
				Qty vide item No.42 ✓		24.72	
						24.72	Sqm

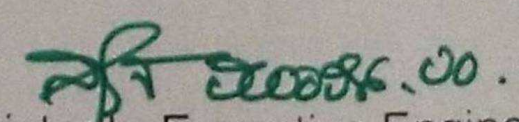

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44	Providing and fixing on wall surface 4.0kg/Sq.cm H.D.P.E. rain down water pipes 90mm outer dia approved make and brand with necessary specials like shoes, bends and offsets fixed with iron clamps, wall plugs, screws, including cost of materials, labour, complete as per specification (Page No. 49, Item No. 8.18)						
		6 ✓	8.00 ✓			48.00	
						48.00	Rmt


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Continued.....

48	Providing and fixing white vitreous china clay, flat back, lipped front urinal basin of 430x260x350mm with 5 litre PVC automatic flushing cistren, C.I./M.S bracket, standard flush pipe and c.P. brass spreaders with brass union and G.I.Clamp Complete painting of fitting and brackets, cutting and making good the wall and floor wherever required , including cost of materials, labour complete as per specification (Page No. 80, item No. 12.7)								
		4 ✓						4.00	~~Se~~
								4.00	Nos

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Continued.....

49	KSRB 11-5 : Providing and fixing white vitreous china clay, water closet European type (Pedestal type, P-trap) with black solid plastic seat and lid, C.P brass hinges, rubber buffers. 10 litre low level, P.V.C flushing cistren (all are approved make) with fittings, C.I / M.S brackets, 40mm diameter flush bend with fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 (P 79 It 12.5)								
		4 ✓						4.00	~~Se~~
								4.00	Nos

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Continued.....

51	Providing and fixing 7.5cms to 15cms dia NP grating 100mm dia (page no 90 , Item No. 12.111)								
		8 ✓						8.00	~~Se~~
								8.00	Nos

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providing and fixing in position brass gate valve with C.I. Wheel of approved quality (Screwed end) 32mm nominal bore including cost of all materials labour and HOM of Equipments with all lead complete as per specifications (page No.93, Item No. 13.35)

6 ✓

6

6

Nos

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Continued.....

53 Providing and laying in position to required level or slope 230mm internal diameter salt glazed stoneware pipes grade A and jointing with stiff mixture of cement mortar in proportion of 1:1, testing of pipes and joints, including cost of materials, labour charges Complete as per specification and direction of Engineer-in-charge of the work.

1 ✓

28 ✓

28.00

28.00

Rmt

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Continued.....

54 Constructing brick masonry inspection chamber 455x610 mm, and 450 mm depth, (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5 in C.I. cover with frame (light duty 455x610 mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) R CC Top slab with cement concrete 1:2:4 mix 20 mm and downsize granite metal, foundation concrete 1:5:10 with 40 mm and down size granite metal inside plastering 12 mm thick with cement mortar 1:3 finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing Complete as per specification and direction of Engineer-in-charge of the work.

1 ✓

4 ✓

4.00

4.00

Nos

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Continued.....

6 Providing and fixing in position brass bib cock of approved quality 25 mm nominal bore including cost of all materials, labour and HOM of equipments with all leads, complete as per specifications. Complete as per specification and direction of Engineer-in-charge of the work.

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Continued.....

57	Providing and placing on terrace , polyethylene water storage tanks with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per specifications (For 1000 litre capacity)(page No.96, Item No. 13.78)								
			2					2	Nos
								2	Nos

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Continued.....

58	Providing and fixing 453x357mm rectangular shape mirror with plastic moulded frame of approved make and shade with 6mm thick hard board backing including cost of materials, labour Complete as per specification and direction of Engineer-in-charge of the work.								
								4.00	Nos
								4.00	Nos

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8	KSRB 11-11.2 : Providing and fixing white vitreous china clay, flatback wash basin size 630x450mm with a single 15mm C.P brass pillar tap with C.I I M.S brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11								
								1.00	Nos
								1.00	Nos

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ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ಪುರಂ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಂ.ಎಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ.

Electrical work						
82	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 GROUP A 6Amps one way.					
83	6Amps Two way.				250.00	Each
84	6Amps 3way socket.				2.00	Each
85	Stepped Fan Regulator.				156.00	Each
86	16Amps one way switch				18.00	Each
87	6Amps Bell push				6.00	Each
88	32Amps DP switch				4.00	Each
89	6/16Amps universal socket				3.00	Each
90	TV/Telephone socket				10.00	Each
91	RJ45/ I.O. outlet				3.00	Each
102	Supplying exhaust fan of 1440 RPM of 300mm (12") size with bracket blades complete for light duty suitable to operate on 230V 50Hz, AC Supply.				26.00	Each
					6.00	Nos
103	Supplying capacitor type ceiling fan complete with down rod blades, shackle, canopies etc., for operation on 230 volts, 50 cycles. Single phase AC supply conforming to ISS-374-1979 and with double ball bearing system. 48" Sweep (1200mm)					
					12.00	Nos
04	Supply of 2'x2' LED recessed luminaire with ...Watts system wattage. Housing shall be with pressure die cast aluminum alloy with corrosion proof resistant polyester power coated. Driver operates with voltage range from 100V to 270V 50/60 Hz with short circuit, overload & mis-wiring protection. Lumen Maintenance of 70% at 50000 Hrs. Injection moulded poly carbonate diffuser for better mechanical stability, light transmission & avoid pot hole effect. Junction temperature shall be < 70 degree Celsius. Driver is on constant current driver @ 0.06A with PF > 0.92 with line voltage @ 220-240V @ 50/60Hz, driver efficiency > 85% & THD<15%. LED Efficiency > 130 lm/W at 1W & Fixture Efficiency >75lm/w with CRI > 75 with injection moulded Polycarbonate lens with < 80mm depth. 5 years Warranty against any manufacturing defect working under standard electrical condition LED modular down light 2'x2'-55 watts					
					6.00	Nos
7	LED Post Top Lantern GARDEN. Supply of LED Post Top Lantern with system ... wattage, housing & frame shall be of powder coated, die cast aluminum, diffuser with high density polyethylene IP65 EPDM Gasket. Life 50000 Hrs. @ L70 shall be conforming to IS 10322/Part 5/ Section 5 @ 230V. 5 years Warranty against any manufacturing defect working under standard electrical condition LED Post Top Lantern with 24 watts					

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15/6/2020

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ಶಿಬ್ಬಕಟ್ಟೆ ಉಪವಿಭಾಗ, ಧಾಸರಹಳ್ಳಿ ಪುರ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು

9	LED Down light Supply of recess mounted rolling type LED Down light with 4/6W GU 10 LED Lamp Rib Fabricated from Die cast aluminum with white powder coated prewired to mains connector with suitable driver & having swiveling unit of aluminum die cast eye ball & LED Lamp position retained by circular wire spring. 5 years Warranty against any manufacturing defect working under standard electrical condition. LED square or round down light 5x1 watts	4.00	Nos
109	Supplying of LED Floodlight with W System Power consumption pressure die cast aluminum housing with powder coating with IP 65 protection. 1, 200-275V voltage with electronic Driver, PF>0.9, should meet ANSI 2G Vibration test. Compliance to UL/CE with Class I. System rating shall be 50K hrs. @ Lumen maintenance of 70%, system efficacy > 80lm/w. Over load & Short circuit protection ensures reliable operation in spite of problem in output side. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with W System Power consumption. LED Efficiency>130lm/w at 1W & Fixture Efficiency >80lm/w with nominal CRI >75. Luminaire manufacturer should have in-house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008. Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part. Warranty of 5 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED manufacturer. LED Floodlight 90W	10.00	Nos
112	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete. (As per Civil SR KSRB I-2, P-7) In soil (ordinary)	4.00	Nos
113	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 122 mm dia	70.00	Mtrs
114	Supplying and running of GI/Copper strips for grounding connections, using necessary fixing materials as required. GI strip	3.00	Nos
115	Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete. 16SWG	100.00	Mtrs
6	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.40-63 Amps SP	13200.00	Sq CM
	5-32 Amps DP	10.00	Nos
	.40-63Amps TPN	4.00	Nos
		1.00	Nos

Signature
15/6/2020

₹ 30000.00
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ಬೆಟ್ಟಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು

~~20/6/2020~~